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TITLE: Polyester

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AB Polyesters with increased transparency are prepared by polycondensing dimethyl terephthalate (I) with ethylene glycol (II),, in combination with or without Me p-( $\beta$ -hydroxyethoxy)benzoate, in the presence of known polycondensation catalysts (antimony trioxide [1309-64-4] or germanium dioxide [1310-53-8]), alkaline earth metal compds., and selenium dioxide [7446-08-4] or selenic acid [7783-08-6]. Thus, a mixture of I 1, II 2, and Ca(OAc)<sub>2</sub> 8 .tim. 10<sup>-4</sup> mole was heated 5 hr at 180-210.deg. under N, mixed with 8 .tim. 10<sup>-4</sup> mole SeO<sub>2</sub> and 2 .tim. 10<sup>-4</sup> mole Sb<sub>2</sub>O<sub>3</sub>, and heated 4 hr at 280.deg./0.1mm, giving colorless poly(ethylene terephthalate) [25038-59-9] with intrinsic viscosity (1:1 PhOH-C<sub>2</sub>H<sub>2</sub>Cl<sub>4</sub>, 20.deg.) 0.87.